

CLAIMS:

1. A vehicular lamp comprising, within a lamp chamber defined by a lamp body and a front lens, a reflector, an LED which is a light source of the lamp and is provided in an area behind the reflector, a light guide in which an umbrella portion is formed at a front end of a bar-shaped base portion and which is provided in front of the LED so as to be substantially coaxial with an optical axis of the LED so as to guide light emitted from the LED to the reflector; wherein

a rear end portion of the bar-shaped base portion is provided with a plane of incidence for guiding light emitted from the LED into the light guide in a form of substantially parallel light fluxes; and

the umbrella portion is formed with:

a first light emitting surface for emitting a part of guided light within the bar-shaped base portion in a forward direction of the vehicular lamp,

an internal reflection surface for internally reflecting a part of guided light outward in a radial direction of the umbrella portion, and

a second light emitting surface for emitting the internally reflected light toward the reflector.

2. The vehicular lamp according to claim 1, wherein the first light emitting surface is a convex surface for diffusing light to be emitted therethrough.

3. The vehicular lamp according to claim 1, wherein the internal reflection surface is comprised of:

a first reflecting surface set tilted at an angle substantially 45 degrees with respect to an optical axis of the bar-shaped base portion, and

a second reflecting surface for reflecting light internally reflected by the first reflecting surface in a rearward direction of the vehicular lamp.

4. The vehicular lamp according to claim 1, wherein:

the bar-shaped base portion is constructed of a cylinder that has an outer diameter substantially constant in an axial direction thereof, and

the umbrella portion has a central axis that coincides with an optical axis of the bar-shaped base portion and comprised of the first light emitting surface, which is at a center

thereof, and the internal reflection surface and the second light emitting surface, which extend in a ring shape along entire circumferences of the first light emitting surface concentrically.

5. The vehicular lamp according to claim 3, wherein:

the bar-shaped base portion is constructed of a cylinder that has an outer
5 diameter substantially constant in an axial direction thereof, and

the umbrella portion has a central axis that coincides with an optical axis of the bar-shaped base portion and comprised of the first light emitting surface, which is at a center thereof, and the internal reflection surface and the second light emitting surface, which extend in a ring shape along entire circumferences of the first light emitting surface concentrically.

10 6. The vehicular lamp according to claim 1, wherein the second light emitting surface is constructed of a concave surface for diffusing light to be emitted therethrough only outward in a radial direction of the umbrella portion.

15 7. The vehicular lamp according to claim 3, wherein the second light emitting surface is constructed of a concave surface for diffusing light to be emitted therethrough only outward in a radial direction of the umbrella portion.

8. The vehicular lamp according to claim 4, wherein the second light emitting surface is constructed of a concave surface for diffusing light to be emitted therethrough only outward in a radial direction of the umbrella portion.

20 9. The vehicular lamp according to claim 5, wherein the second light emitting surface is constructed of a concave surface for diffusing light to be emitted therethrough only outward in a radial direction of the umbrella portion.

10. The vehicular lamp according to claim 6, wherein the second light emitting surface is constructed of a concave surface for diffusing light to be emitted therethrough only outward in a radial direction of the umbrella portion.